Velocity Measurements in Cardiac Magnetic Resonance Imaging

Rolf, M.P.

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List of Abbreviations

3D	three (spatial) dimensional
7D	three spatial, three velocity encoding and time dimensional
ADC	Analog to Digital Converter
Ao	Aorta
B_0	Main magnetic field
BW	Bandwidth
CMR	Cardio(vascular) Magnetic Resonance
CNR	Contrast to Noise Ratio
ECG	ElectroCardioGram
FE	Frequency Encoding
FOV	Field of View
GE	General Electric Company
GE	Gradient Echo sequence
HF	Head-Feet
LR	Left-Right
LV	Left ventricle
MPA	Main Pulmonary Artery
MR	Magnetic Resonance
MRI	Magnetic Resonance Imaging
NMR	Nuclear Magnetic Resonance
PC	Phase Contrast
PE	Phase Encoding

PNS	Peripheral Nerve Stimulation
Qp/Qs	ratio of the pulmonic blood flow (Qp) to the systemic blood flow (Qs)
RF	Radio Frequency
RF	Regurgitant Fraction
RMS	Root Mean Square
RO	Read-Out
ROI	Region of Interest
SAR	Specific Absorption Rate
SLT	Slice Thickness
SNR	Signal to Noise Ratio
SS	Slice Selection
SSFP	Steady State Free Precession sequence
T1	spin-lattice relaxation time
T2	spin-spin relaxation time
Td	Time of delay
TE	Time of Echo
TR	Time of Repetition
v	velocity
v_{enc}	encoding velocity
v_{max}	maximum velocity (in the linear range)
VNR	Velocity to Noise Ratio